

Economic effectiveness of increasing the reliability of power generating equipment. Teploenergetika 12 no.8176-78 Ag '65. (MIRA 18:9)
1. Ural'skiy filial AN SSSR.
시간하다. 방하는 하는 것이 살으면 가는 그리고 그렇게 그 뿐이다. 목 목
집에도 그 이 어린이 되는 이번 하는 이번 그렇게 되고 기울되는 것이다.
그러는데 그릇 하는 수 있습니다. 생생님, 그는 그릇은 그릇을 보고 살아왔다. 나를 다 없었다.
생용하는 얼마가 있는 맛있는 것이 없는 이 그렇게 그렇게 되는 말을 먹는 이 것
시민들이 되는데 선택생각 보다면 되는 하셨다면서 얼마 아니라와 되는데.
레마 경기 바다 하루 하시네요. 그리고 아마 그리고 있다. 그런 그리고 하는 그 그리고 있다.
. 그렇게 된 병사가 하시면 모든 얼마나 하는 그래면 얼마를 다니고 하다.
그렇게 그렇게 살아왔는데 하는데 하는데 하는데 하는데 하는데 모양이 되었다면 되었다. 그런
그는 그 차는 이 집을 통한 그를 통하는 그를 보고 있는데 그림을 받는데 없다.
신경하다 시민이 이 얼마를 받으면 하다 때문에 얼마나 얼마나 얼마나 다른

KHAPILOV, Tu., mladehiy nauchnyy sotrudnik; ZHURILOV, V., mladehiy nauchnyy sotrudnik

Use by foreign countries of plastics and synthetic materials in shipbuilding (from "Quarterly Transactions of the Institute of the Institute of Naval Architecture," no.3, July 1958). Mor.flot 19 no.8: 38-40 Ag '59,

1. Institut kompleksnykh transportnykh problem AN SSSR,

(Shipbuilding) 32. (Plastics)

SYRMAY, A.G., nauchnyy sotr.; OBERMEYSTER, A.M., nauchnyy notr.;

HRONFMAN, A.I., nauchnyy sotr.; SHIMKO, K.N., kand. tekhn.
nauk; PARAKHONSKIY, B.M., kand. ekon. nauk. Prinimmil uchastiye: ZHURILOV, V.I., nauchnyy sotr.; ZUBKOV, M.I., nauchnyy
sotr.; SHVARTS, G.L., nauchnyy sotr.; MIKHEYEV, A.P., doktor
tekhn. nauk, prof., otv. red.; HYKOV, I.K., red. ind-va;
DOROKHINA, I., tekhn. red.

[Water and air transportation in capitalist countries: trends in the development of equipment] Vodnyi i vozdushnyi transport kapitalisticheskikh stran; tendentsii razvitiia tekhnicheskikh sredstv. Moskva, Izd-vo Akad.nauk SSSR, 1961. 350 p. (MIRA 15:1)

1. Akademiya nauk SSSR. Institut kompleksnykh transportnykh problem.

(Merchant marine) (Aeronautics, Commercial)

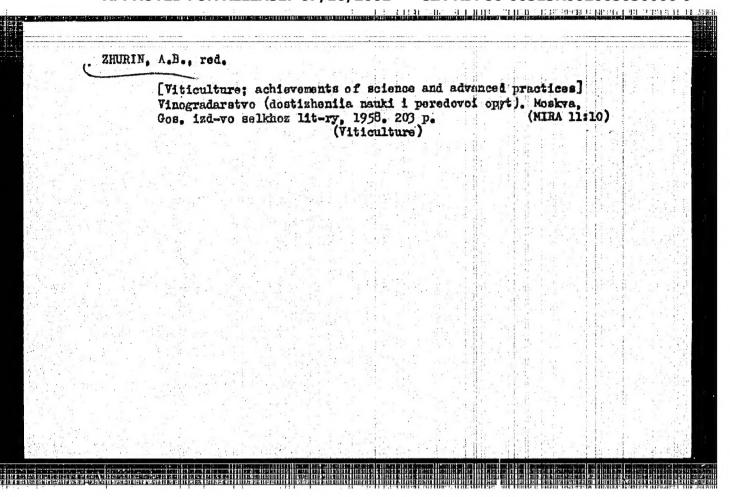
SYRMAY, A.G.. Prinimali uchastiye. ZHURILOV, V.I., mlad. nauchnyy sotr.;
KANYOROVICH, Ya.B., kand. tekhm. nauk, revsenzent; VORONOV, Ye.K.,glav.
ekonomist, retsenzent; OBERMETSTRR, A.M., otv. red.; DOBSHITS, K.L.,
red. ind-va; SUSHKOVA, L.A., tekhm. red.

[Method of deciding upon the running speed andcarrying capacity of
seagoing vessels] Metodika obosnovaniia skorosti kaoda i gruzopod"
emnosti morskikh sudov. Moskva, Izd-vo Akad. nauk SSSR, 1961. 50 p.
(MIRA 14:11)

1. Gosudarstvennyy proyektno-konstruktorskiy i nauchno-issledovatel'skiy institut morskogo transporta Ministerstva morskogo flota SSSR
(for Voronov).2. Institut kompleksnykh transportnykh problem AN SSSR
(for Zhurilov).

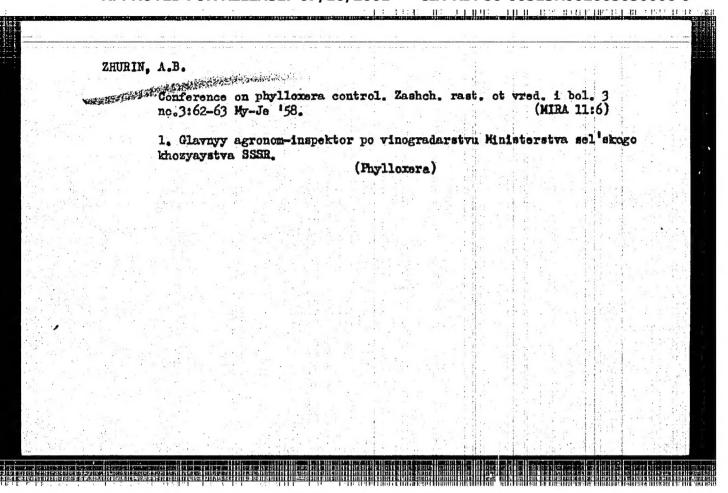
(Naval architecture)

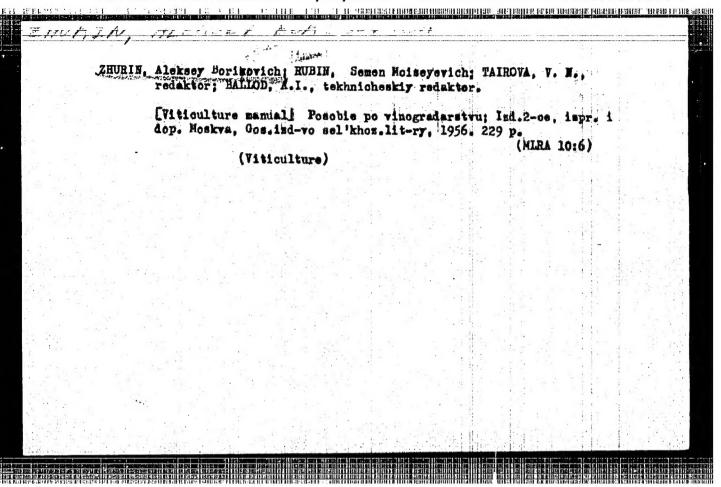
farms in the Soviet Union." p. 11:3 (Mezhduna Rodnyi Selskokohoziaist vennyi Zhurnal, Vol. 2, No. 2, 1958, Sofia, Bulgaria). Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 12, Dec. 58.	ZHURIN. A. "Hydromechanization	of the planting o	f vi neyards on	the kolkol	ozes and	state	
Sofia, Bulgaria).	farms in the Soviet	Union."					
	p. 143 (Mezhduna Ro	dnyi Selskokohozia	istvennyi Zhur	nal, Vol. 2	, No. 2,	1958,	
Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 12, Dec. 58.	Sofia, Bulgaria).				1: 		
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GUSEVA, A.M.; SHEFFER, V.V.; SHIN, P.V.; ZHURIN, A.B.; TIKHONOV, N.P.; KLYUSHKIN, P.A.; PUL'EON. R.Kh.

Local information. Zashch. rast. ot vred. i bol. 8 (MIRA 17:6)





Rubin, S. M.		·	:		1		;	
A manual on viticulture Mos	kva, Gos,	izd-vo sel	khoz.	Lit-ry	1950.	222p.	: .	
1. ViticultureHandbooks,	manuals,	etc. 2.	Vitoult	ure —R	uesia.	I. Zhurir	, A. i	В.
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USSR/Cultivated Plants - Fruits. Berries.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 30086

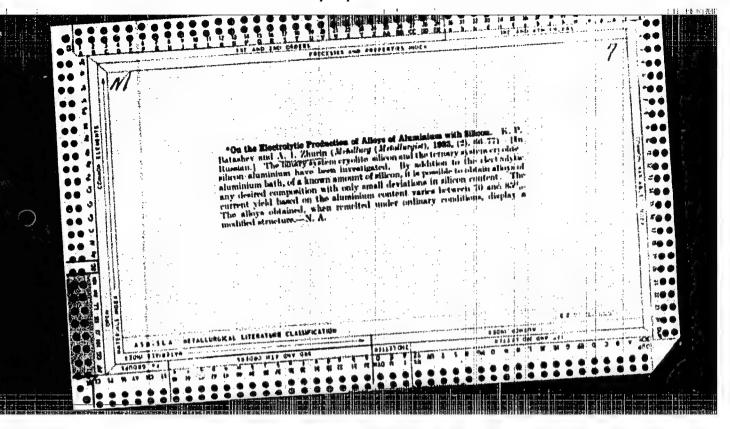
Author : Zakharova, Ye.I., Zhurin, A.B.
Inst : Title : The Viticulture of Hungary.

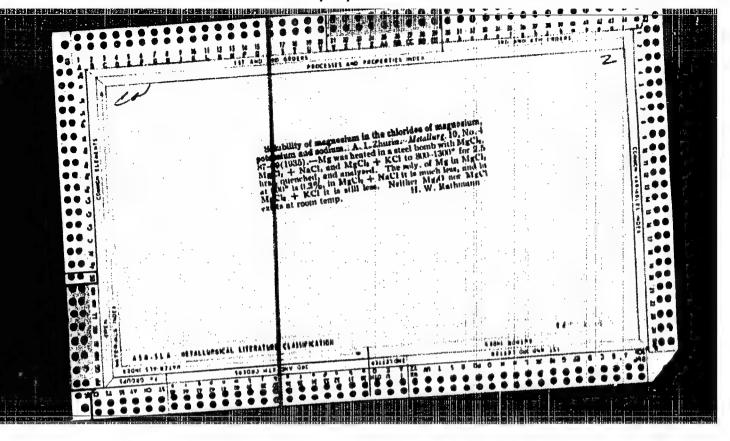
Orig Pub : Sad i ogorod, 1957, No 9, 60-63.

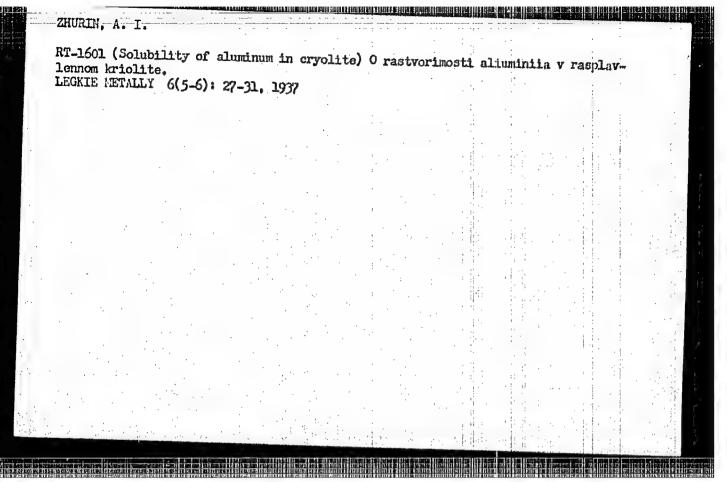
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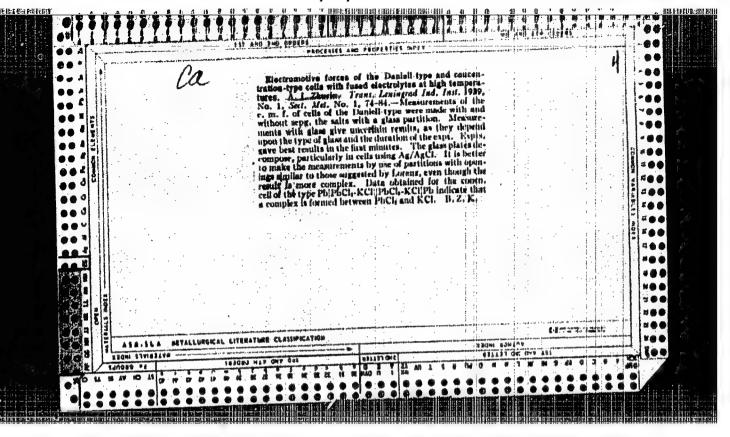
KOLESNIKOV, Venedikt Andreysvich, prof., doktor sel'skokhoz, neuk; ZEURIH,
Aleksey Borisovich, geronom; KAPTSINZI', Mikheil Abramovich,
Sgrönom; KAPTSINZI', Anna Petrovna, agronom; KOVAL', Alle Alekseysvna, kand, sel'skokhoz, nauk; KORCHAGIN, Vloddmir Nikoleysvich,
entomolog; ZUBAREV, N.A.; LUR'YE, B.D., red.; RAZGULYAYEVA, N.G.,
tekhn.red.

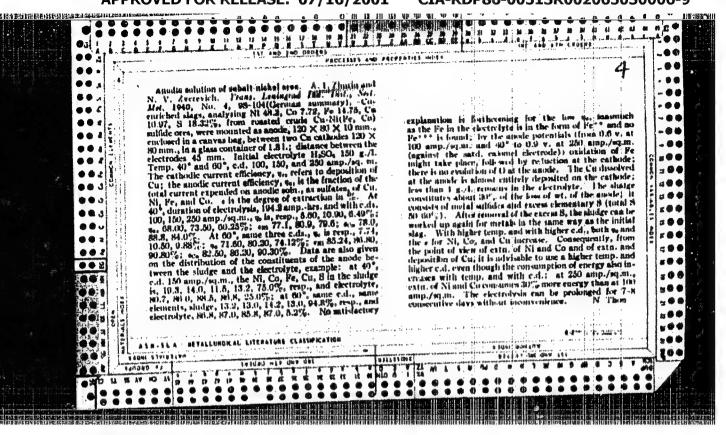
[Amateur fruitgrower's reference manual] Kalendar'-sprævochnik
sedovoda-liubitelia. Moskva, Izd-vo M-vs sel'skhoz, SSSE, 1959.
494 p. (Fruit culture)

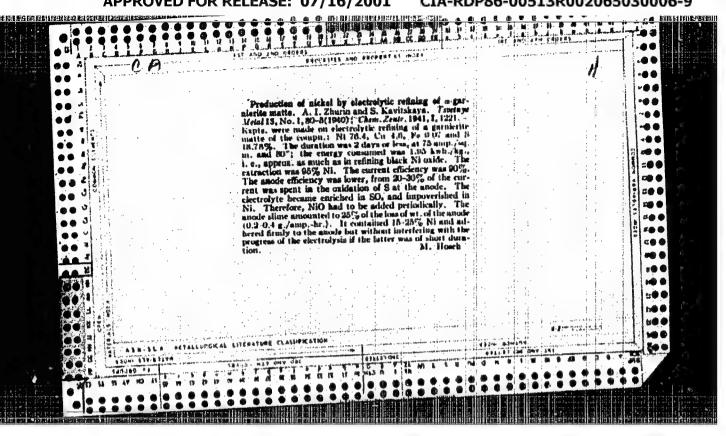


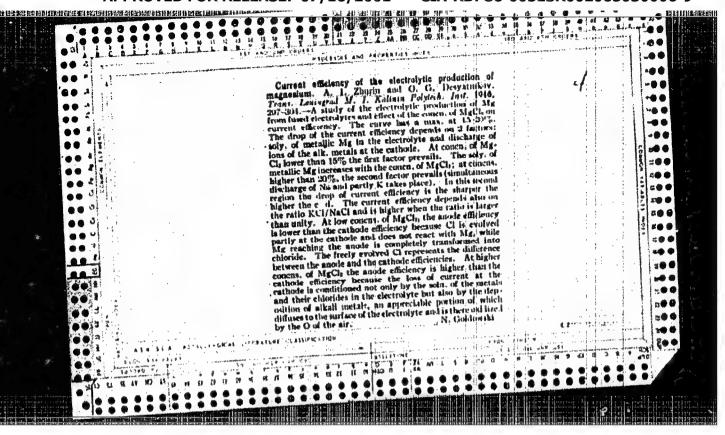


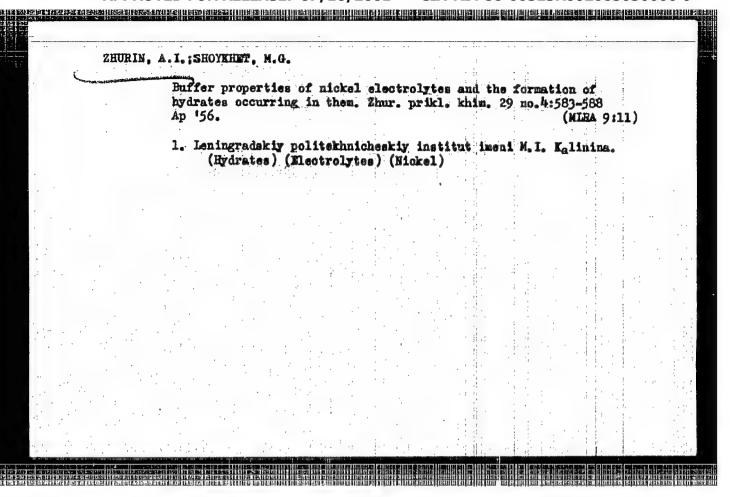


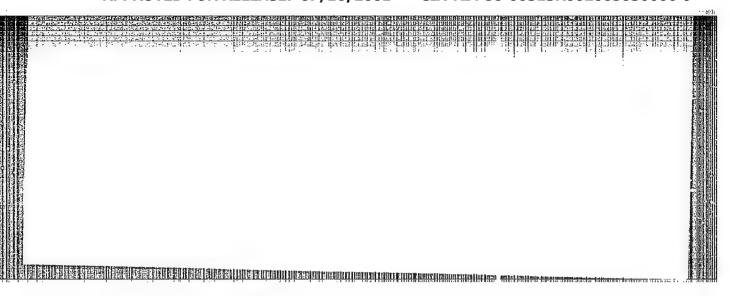












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Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 113 (USSR)

AUTHORS: Zhurin, A.I., Shoykhet, M.G.

TITLE:

Buffering Properties of Nickel Sulfate Solutions and the Formation of Hydrates in These Solutions (O bufernykh svoystvakh rastvorov sul'fata nikelya i gidratoobrazovaniya v nikh)

PERIODICAL: Tr. Leningr. politekhn. in-ta, 1957, Nr 188, pp 173-180.

ABSTRACT: .. The incipient formation of hydrates in Ni electrolytes was investigated experimentally. Some considerations are presented concerning the discrepancy between the pH data on the formation of hydrates as given by A.L. Rotinyan and V.Ya. Zel'des (Zh. prikl. khimii, 1950, Vol 23, p 717) and the data obtained in earlier research on this problem. In addition, the authors comment on the mechanism of the action of such buffer additives as H₃BO₃, (NH₄)₂SO₄, and CH₃COCH in the course of the electrolysis. See also RzhMet, 1957, Nr 4, abstract 1. Electrolytes--Properties 2. Nickel sulfate solutions

-- Properties 3. Hydrates--Analysis N.P.

Card 1/1

Zhurin, A.I.

137-58-5-9307

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 74 (USSR)

A UTHORS

Zhurin, A.L., Shoykhet, M.G.

TITLE:

The Effect of Organic-compound Additives on the Process of Electrolytic Deposition of Nickel From Sulfate Solutions (Vliyaniye primesey organicheskikh soyedineniy na elektroliticheskoye osazhdeniye nikelya iz sulfatnykh rastvorov)

PERIODICAL: Tr. Leningr. politekhn. in-ta, 1957, Nr 188, pp 181-190

ABSTRACT:

A study of the effect of certain organic compounds on the current efficiency and the quality of metal being deposited during electrolytic refining of Ni. It is established that of all compounds which are leached out of wood by the electrolyte, the watersoluble constituents of wood and linen rag are the most harmful. On conversion to C content, the content of water-soluble compounds must not exceed 20 mg/l. As the solution is freed from Fe and Co, the organic compounds become oxidized and are removed. Whenever large amounts of wood or linen rag are introduced into the process, it is essential that they be treated preliminarily with hot water for a period of 1-2 days so as to remove water-soluble compounds contained in the surface layer. Wood may be treated with a 2% lye solution.

Card 1/1

1. Nickel-Electrodeposition 2. Electrolytes-Properties 3. Electro-

lysis--Effectiveness 4. Organic compounds--Flectrolysis

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Zhurin, A.I.

137-58-5-9306

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 74 (USSR)

AUTHORS: Zhurin, A.I., Ivanov, L.A.

TITLE: Electrolytic Precipitation of Nickel From Sulfate Solutions With

Addition of Ammonium Salts (Elektroliticheskoye osazhdeniye nikelya iz sul'fatnykh rastvorov s primeneniyem dobavok ammo-

niynykh soley)

PERIODICAL: Tr. Leningr. politekhn. in-ta, 1957, Nr 188, pp 191-203

ABSTRACT: Studies were performed in order to determine conditions

most suitable for the precipitation of Ni from solutions containing buffering additives in the form of ammonium salts; the quality of the Ni precipitates was also studied. It was established that range of the buffer action of solutions buffered with ammonium salts is greater than that of solutions buffered with boric acid. Good-quality elastic deposits are obtained from sulfate solutions buffered with ammonium sulfate containing small amounts of Cl ion (5 g/l). The S and H content in these deposits

is not greater than in deposits obtained from solutions with

boric acid.

Card 1/1

1. Nickel--Electrodeposition 2. Ammonium salts--Applications

3. Electrolytes--Properties

137-58-6-12028

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 120 (USSR)

Zhurin, A.I., Pyunnenen, S.P. AUTHOR:

Combined Influence of Additions of Manganese with Iron, TITLE:

Cobalt, and Antimony Present in Solutions During Electrolytic Deposition of Zinc (Sovmestnoye vliyaniye primesi margantsa s zhelezom, kobal tom i sur moy v rastvorakh pri elektroliti-

cheskom osazhdenii tsinka)

Tr. Leningr. politekhn. in-ta, 1957, Nr 188, pp 204-211 PERIODICAL:

The influence of individual admixtures (Mn, Fe, Co, Sb) as ABSTRACT: well as the combined effect of Mn and Fe, Mn and C, Mn and

Sb, and Sb and Co were studied in the process of electrolytic deposition of Zn. The following facts were established: 1) the presence of a considerable quantity of Mn2+ ions (up to 5-20 g/f) results in a marked reduction in current yield; this condition is due to the oxidation of Mn2+ to MnO4 and the reduction of MnO4 to Mn2+ ; 2) compared with Mn the Fe reduces

the current yield even more abruptly: this is explained by the fact that the Fe²⁺ is oxidized to Fe³⁺ and that the Fe may be

Card 1/2

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137-58-6-12028

Combined Influence of Additions of Manganese (cont.)

deposited on the cathode (accompanied by intense evolution of H2); introducing gelatin increases the current yield. 3) When simultaneously present in the same solution, the elements Mn and Fe mutually reduce each other's action, a fact which is attributable to mutual oxidation-reduction processes occurring in the electrolyte (E); 4) Combined action of Mn and Co, Mn and Sb, and Co and Sb reduces the current yield to a greater degree than could be expected in the case of concurrent but independent action; this condition is explained by the assumption that the more abrupt change in the surface of the cathode (as compared with the action of only a single ingredient) is responsible for a more abrupt change in the density of current; 5) introduction of gelatin into the E greatly suppresses the action of the impurities, particularly of such substances as Sb, Co, etc., i.e., impurities which are separated out at the cathode; 6) experiments in which a baffle was employed have shown that the current yield of Zn in a neutral E is very great even if considerable quantities of impurities are present.

1. Zinc--Electrolytic deposition 2. Electrolytes--Chemical properties

3. Manganese--Chemical reactions 4. Iron--Chemical reactions 5. Cobalt--Chemical reactions

Card 2/2

ZHURIN, A.I.

137-58-5-10269

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 198 (USSR)

AUTHORS: Gvozdeva, I.I., Zhurin, A.I.

TITLE: The Electrochemical Properties of Rhenium (Elektrokhimiches-

kiye svoystva reniya)

PERIODICAL: Tr. Leningr. politekhn. in-ta, 1957, Nr 188, pp 212-224

ABSTRACT: The following questions are investigated in this study: a) the relationship of Re plating potential to the strength of the KReO4 (5, 10, 15, 20 g KReO4/liter; 60°C, pH 1.3; b) the effect of pH on plating potential (60°, 10 g KReO4/liter, pH varied from 0.7 on plating potential (60°, 10 g KReO4/liter, pH varied from 0.7 to 1.4); c) effect of temperature (pH 1.3, 10 g/liter, Cu cathode, temperature varied from 20 to 90°); d) effect of cathode material (Re, Ni, Mo, Cu, Fe, 10 g KReO4/liter, pH 1.3, 60°). It is found that the equilibrium potential of Re in a solution containing 10 g KReO4/liter and 15 g H2SO4/liter is +0.353 v at 30°. The balance of electrolysis products on the electrodes indicates the occurrence of a process of O2 liberation at the anode, while two processes - liberation of Re and of H2 - occur at the cathode.

The optimum conditions for deposition of Re from a sulfate Card 1/2. KReO4 solution are determined. The best Re coatings at

The Electrochemical Properties of Rhenium

maximum current efficiency and minimum consumption of electric power are obtained when 1 liter of water contains 15 g KReO₄ and 12-15 g H₂SO₄ (pH

1. Rhenium-Electrochemical properties

Card 2/2

3/149/60/000/03/01/009

AUTHOR:

zhurin.

On Electrolytic Nickel Refining in Sulfate-Chloride and

TITLE:

Chlorous Solutions

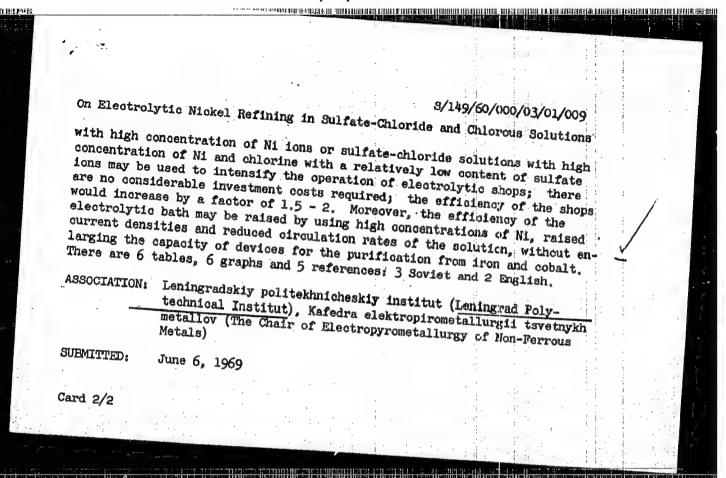
PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy, Tsvetnaya metallurgiya,

1960, No 3, pp 54 - 61

Information is given on results of experimental investigations into processes of electrolytic Ni refining in sulfate-chloride and pure chlorous solutions. The experiments were performed with the participation of M.G. Shoykhet, V.S. Ponomarev, B.P. Gorshkov, and A.F. Vikharev. The following processes were studied: the effect of chlorine ions on anote and cathode potentials; the effect of Cl concentration on ourrent efficiency; the effect of the circulation rate and current density on current efficiency and the quality of the cathode nickel; long-lasting electrolysis with different concentration of chlorine ions; behavior of metals of the platinum group; refining of chlorous nickel solutions from iron and cobalt. The totality of results obtained leads to the following conclusions: pure chlorous solutions

Card 1/2



BAYMAKOV, Yuriy Vladimirovich: ZHURIN, Aleksandr Ivanovich: LEVIN, A.I., prof., doktor tekhn. nauk, retsenzent; SMIRHOV, V.I., prof., retsenzent; STENDER, V.V., prof., retsenzent; CORBUNOVA, K.M., prof., doktor khim. nauk, red.; PAKHOMOVA, G.N., kand. tekhn. nauk, red.; MARENKOV, Ye.A., red.; MISHARINA, E.D., red.izd-va; MIKHAYLOVA, V.V., tekhn. red.

[Electrolysis in hydrometallurgy]Elektroliz v gidrometallurgii. Moskva, Metallurgizdat, 1963. 616 p. (MIRA 16:2)

1. Kafedra tekhnologii elektrokhimicheskikh proizvodstv Ural'skogo politekhnicheskogo instituta (for Levin). 2. Kafedra metallurgii tsvetnykh metallov Ural'skogo politekhnicheskogo instituta, Deystvitel'nyy chlen Akademii nauk Kazakhskoy SSR (for Smirnov).

3. Chlen-korrespondent Akademii nauk Kazakhskoy SSR (for Stender).

(Hydrometallurgy) (Electrometallurgy)

ACCESSION NR: AT4026277

B/2563/63/000/223/0069/0074

AUTHOR: Zhurin, A.I.; Li, Hang-kuan

TITLE: Electrolytic purification of crude indium containing tin and cadmium

SOURCE: Leningrad. Politekhnioheskiy institut. Trudy*, no. 223, 1963. Metallurgiya tsvetny*kh metallov (Metallurgy of nonferrous metals), 69-74

TOPIC TAGS: indium, indium refining, electrolytic refining, indium purification, indium electrolysis, tin, cadmium.

ABSTRACT: Crude indium may be purified by many methods, including electrolysis. In the present investigation, the authors used electrolytic purification of indium on solid indium anodes and Ti cathodes. The crude indium contained tin and cadmium. Spectral analysis was used to determine the content of tin and cadmium in the material. The accuracy of measurement was generally 0.001% and in some cases was increased to 0.0005%. It was found that during the anode dissolution of crude indium, most of the tin remains in the sludge, while cadmium together with indium pass into the solution (see Fig. 1 of the Encl.). Tin is deposited together with indium on the cathode, only its extraction coefficient is less than unity and depends inversely on the current density. Cadmium is deposited together with indium only at high concentrations. Complete elimination of tin and cadmium from solution indium only at high concentrations.

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ACCESSION NR: AT4026278

8/2563/63/000/223/0075/0081

AUTHOR: Zhurin, A.I.,; Chao, Ching-sheng

TITLE: The direct extraction of gallium from aluminate solutions by electrolysis

SOURCE: Leningrad. Politekhnichoskiy institut. Trudy*, no. 228, 1968. Metallurgiya tsveiny*kh metallov (Metallurgy of nonferrous metals), 75-81

TOPIC TAGS: gallium electrolysis, aluminum, aluminum refining, gallium, alluminate solution, electrolysis, mercury cathode, gallium extraction

ABSTRACT: Gallium accompanies aluminum in all its ores, including bauxite, but is normally lost during refining. The authors previously proposed the electrolytic extraction of gallium from aluminate solutions in one stage using a mercury cathode. In the present paper, they study the possibility of extracting gallium from aluminate solutions in one step using a solid cathode. In clarifying the optimal conditions for this procedure, they determined the potentials for the extraction of hydrogen from alkaline solutions on steel and gallium cathodes, as well as the extraction of gallium and hydrogen from an alkaline solution of sodium gallate. Finally, experiments were carried out on gallium extraction from both sodium gallate and aluminate solutions. The results show that it is theoretically possible

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ZHURIN, A.I.; CHZHAO TSZIN-SHEN [Chao Ching-shèng]

Direct recovery of gallium from aluminate solutions by electrolysis.

Trudy IPI no.223:75-85 '63. (MIRA 17:11)

ACCESSION NR: AT4026279

8/2563/63/000/223/0082/0086

AUTHOR: Zhurin, A. I.; Ovchinnikov, A. V.

TITLE: Some of the electrochemical properties of indium

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy*, no. 223, 1963. Metallurgiya tsvetny*kh metallov (Metallurgy of nonferrous metals), 82-86

TOPIC TAGS: indium, anode polarization, cathode polarization, indium electrochemistry, electrochemistry

ABSTRACT: Indium is acquiring great importance among the rare elements, but little has been published on its electrochemistry. For this reason, the authors measured the anode and cathode polarization curves for indium in solutions of its chloride, the overvoltage required to evolve H₂, and the yield at the anode and cathode during electrolytic refining of indium. It was found that the anodic dissolution of indium in a 0.407 N solution of its chloride proceeds at a high rate with little polarization at potentials from -0.45 to -0.42 volts, monovalent and trivalent ions being produced simultaneously. The proportion of monovalent ions increases with the current density. Meanwhile, deposition of indium at the cathode also takes place at a rapid rate with little polarization. When the current

and 1/2

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density reached a maximum ions takes place at the cathod current density. Orig. art.	value, simultaneous discharge of i de. The lower the pH of the solution	indium lons and hydron, the lower this mass, and 2 tables.	ogen laxima!
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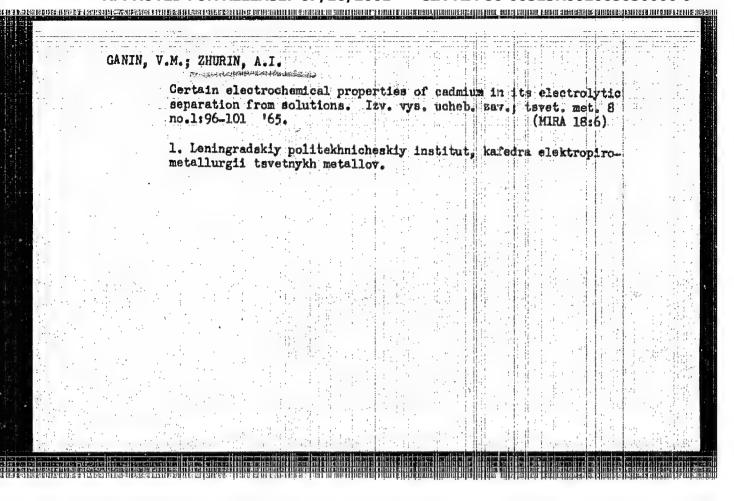
SHAMOV, V.N., ZHURIN, A.I.

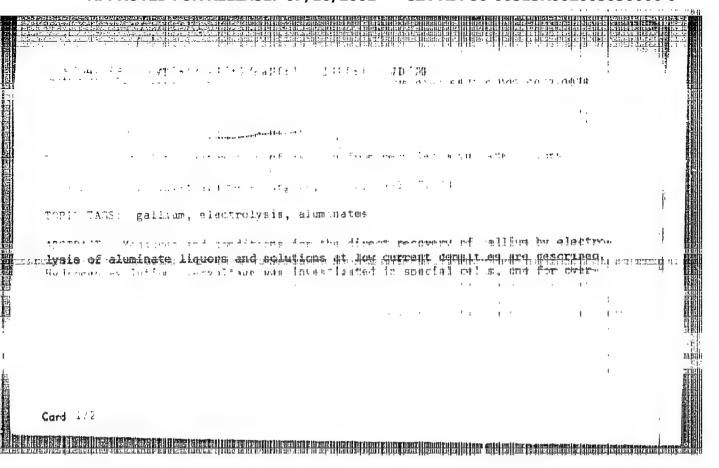
Gallium recovery from return aluminate alkalies by electrolysis.

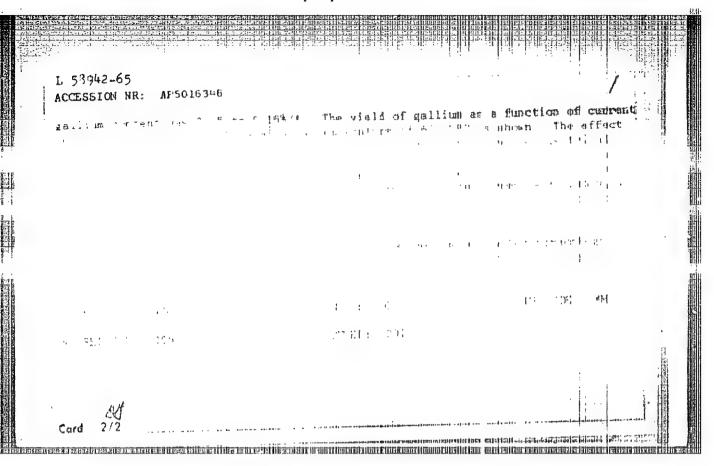
Izv.vys.ucheb.sav., tavet.met. 8 no.2:72-78 *65.

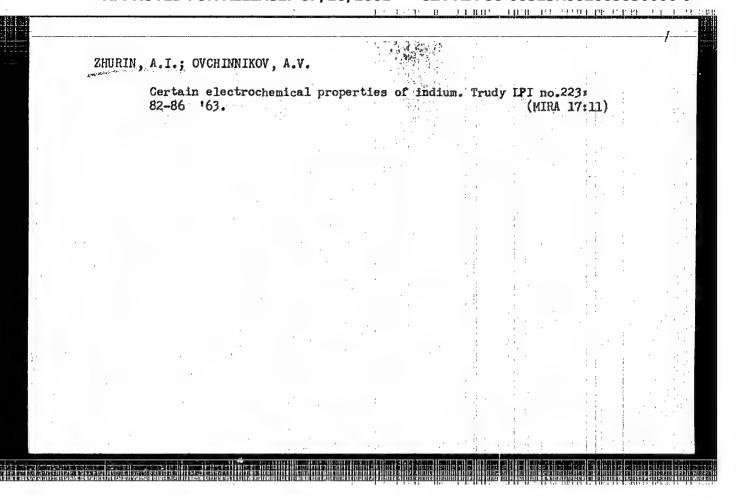
(MIRA 19:1)

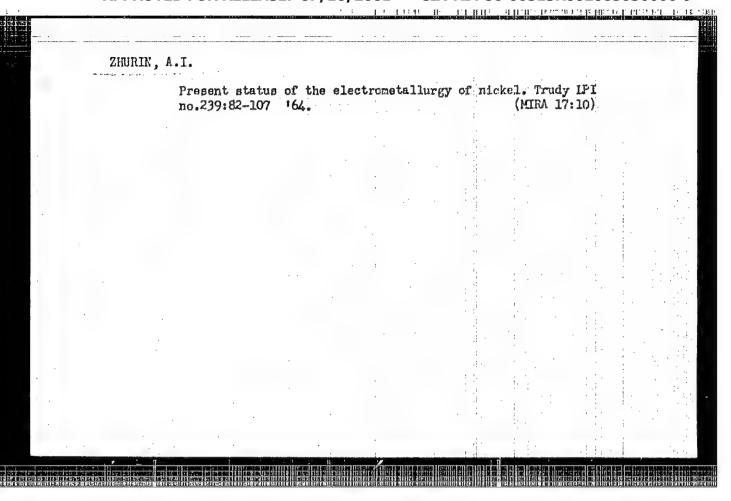
1. Kafedra elektropirometallurgii tavetnykh metallov Leningradskogo politekhnicheskogo instituta. Submitted December 24, 1963.











_	ZHURIN, B.F.					!			
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AYZENSHTADT, L.A.; PEN'KOV, P.M.; GLADKOV, B.A.; LIKHT, L.O.;

KRIMMER, T.Ye.; KASHEPAV, M.Ya., kand. tekhh. næuk;

MERPERT, M.P., kand. tekhn. næuk; KOPERBAKH, B.L.;

CHERNIKOV, S.S., kand. tekhn.næuk; BELOV, V.S.; ZHURIN.

B.F.; MONAKHOV, G.A., kand.tekhn.næuk; MONOTOV, I.I.;

MUSHTAYEV, A.F.; OGNEV, N.N.; PAIEY, M.B., kand. tekhn.

næuk; FURMAN, D.B.; LIVSHITS, A.L., kand.tekhn.næuk; MECHETNER,

B.Kh.; SOSENKO, A.B; AVDULOV, A.N.; LEVIN, A.A., kand.tekhn.

næuk; YAKOBSON, M.O., doktor tekhn.næuk; MAYOROVA, E.A.,

kand.tekhn.næuk; MOROZOVA, Ye.M.; ZUSMAN, V.G., kand.tekhn.

næuk; NAYDIS, V.A., kand.tekhn.næuk; VIADZIYEVSKIY, A.P., prof.,

doktor tekhn. næuk, red.; BELOGUR-YASHOVSKAYA, R.I., red.;

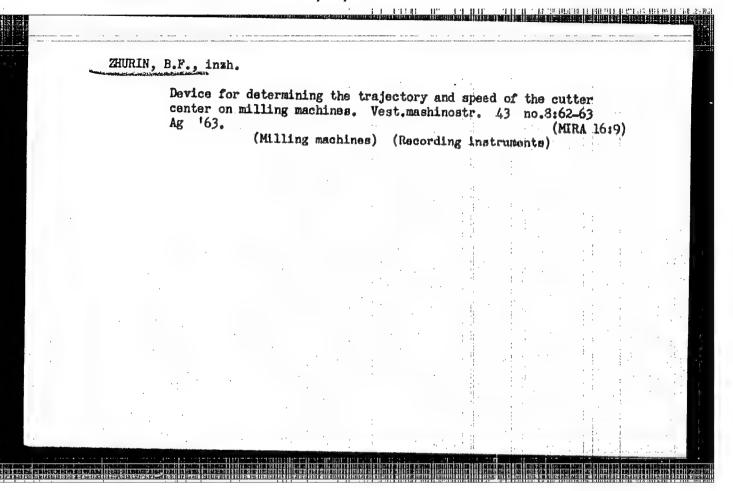
CHIGAREVA, E.I., red.; ASVAL'DOV, M.Ya., red.; KOGAN, F.L.,

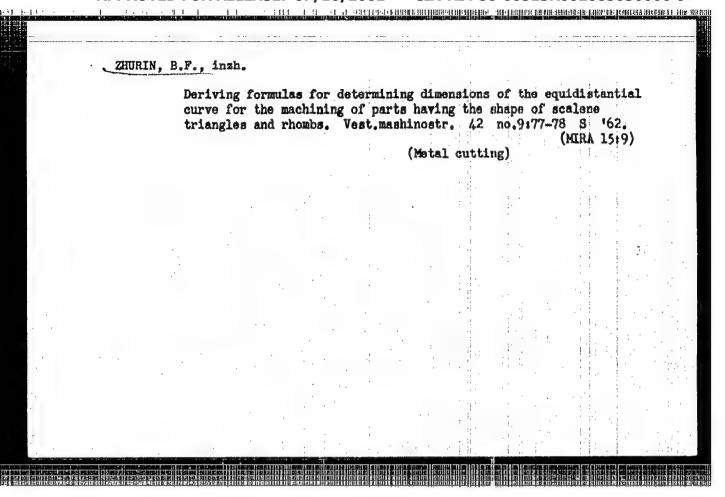
tekhn. red.

[Machine-tool industry in capitalist countries] Stankostroenie v kapitalisticheskikh stranakh. Pod red. i s predisl. A.P.Vladzievskogo. Moskva, 1962. 822 p. (MIRA 15:7)

1. Moscow. TSentral'nyy institut nauchno-tekhnicheskoy informatsii mashinostroyeniya. 2. Eksperimental'nyy nauchno-issledovatel'skiy institut motallorezhushchikh stankov (for Vladziyevskiy, Belogur-Yasnovskaya, Chigareva, Asval'dov, Kogan).

(Machine-tool industry)





Zhurin, Boris Ivanovi	ch		n/5 831.1 .z6	
			1955	
Roditel'skaya Obshche	estvennost' v Promoshch' Sh Community as an Aid for the	kole Schools)		
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Moskva, Uchpedgiz, 19	955	. 1.	: 	,
157 P. Illus., Tables	3.		; , , ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	
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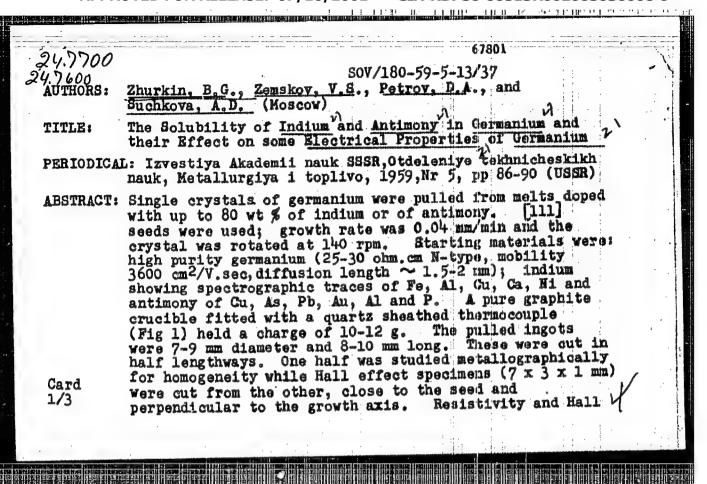
الرابيس والم 67293 24.7700 sov/180-59-4-26/48 Petrov. D.A. and Zhurkin, B.G., Zemskov, V.S., AUTHORS: (Moscow) Suchkova, A.D. The Nature of the Quasi-Binary Germanium-Indium-Antimony TITLE: System PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 4, pp 156-158 (USSR) Germanium with electron-type conduction and a specific ABSTRACT: resistance 25 to 30 ohm/cm was used together with zone refined antimony and indium. Crystals were pulled from the melt. Results are given in Table 1. All the samples had electron-type conductivity and samples with high insb content had a higher concentration of electrons than those The number of current carriers with low InSb content. to 1.9 x 1019/cm3. The value for varied from 1.2×10^{18} fully compensated additions is 2.5 x 1013/cm3. Thus there was an excess of Sb atoms. Experiments were carried out using the same Ge:Sb ratio and increasing the In content. Results are given in Table 2. With a ratio of Inish of 2.5 there is still electronic conduction very near to the compensated alloy. With In:Sb = 4.4 there is hole-type conduction. Microstructures were examined along the Card 1/2

The Nature of the Quasi-Binary Germanium-Indium-Antinony System

length of the crystal pulled from a melt. A second
phase appears (see Fig) which from microhardness tests
temperatures greater than 650°C - the temperature of
dissociation of InSb. The authors conclude that because
not possess the properties of a quasi-binary system does
There are 1 figure, 2 tables and 8 references, 6 of which

SUBMITTED: March 16, 1959

Card 2/2



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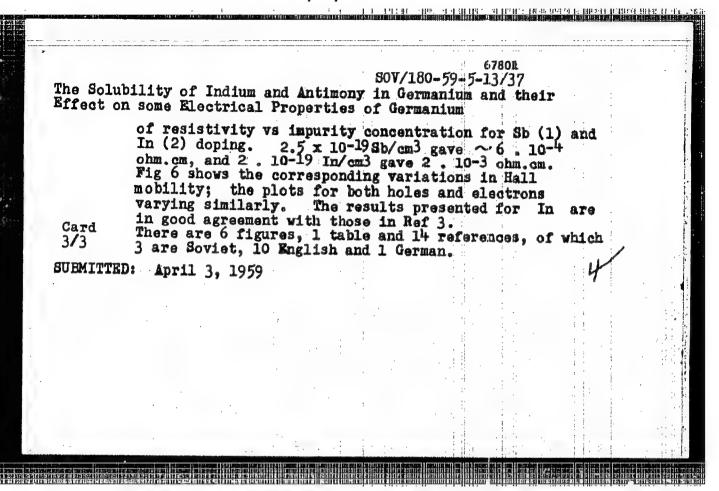
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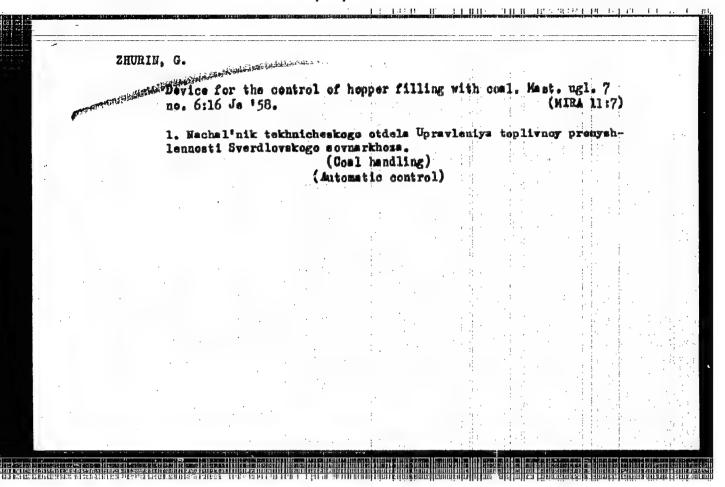
80V/180-59-5-13/37

The Solubility of Indium and Antimony in Germanium and their Effect on some Electrical Properties of Germanium

emf were measured with a potentiometer type PPTN-1 and a galvanometer type M-25/3. Resistivity measurements were ± 5% but Hall measurements (3700 Os field) for the higher impurity concentrations had greater errors, from 10-50%. In determining impurity concentrations from resistivity and Hall measurements complete ionization and degeneracy were assumed. The table shows equilibrium concentrations of indium and antimony in solid and liquid germanium at various temperatures (both wt % and at % values are given). The corresponding phase diagrams are plotted in Figs 3 and 4 (compositions in at %). Solid Ge containing 6.6.10-2 at % In is in equilibrium with a melt containing 71.6 at % In at 620 °C, and solid germanium containing 7.2 . 10-2 at % Sb with liquid containing 70.5 at % Sb at 693 °C. Extrapolation to the eutectic horizontals suggests maximum solid solubilities of 8 . 10-2 at % In and about 0.1 at % Sb. No retrograde solid solubility was found for Sb. Fig 5 shows log-log plots (which are linear)

Card 2/3





GORODETSKIY, David Yevseyevich; ZHURIN, Origoriy Mikhaylovich;

ZUBAREV, Leonid Aleksandrovich; ADAMOVA, L., red.;
CHEMKO, L., tekhn. red.

[Put the reserves of the fuel industry to use]Rezervy toplivnoi promyshlemosti v deistvii. Sverdlovsk, Sverdlovskoe
knizhmoe işl-vo, 1961. 110 p. (MIRA 15:8)

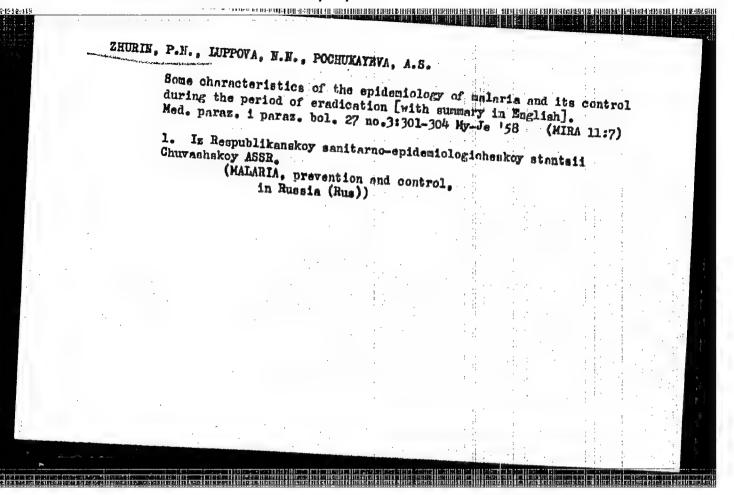
(Coal mines and mining) (Peat)

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KUKINOV, V.M.; MASOKIN, V.I.; ZHURIN, N. Ya.; RODZEVILLO, I.T.

New equipment and progressive technology. Bezop. truda v
prom. 8 no. 9:31-33 S'64 (MIRA 18:1)

1. Nachal'nik Gubkinskoy rayonnoy gornotekhnicheskoy inspektsii
(for Kukinov). 2. Shakhta imeni Gubkina (for Masokin, Zhurin,
Rodzevillo).



ZHURIN, P.S., dotsent

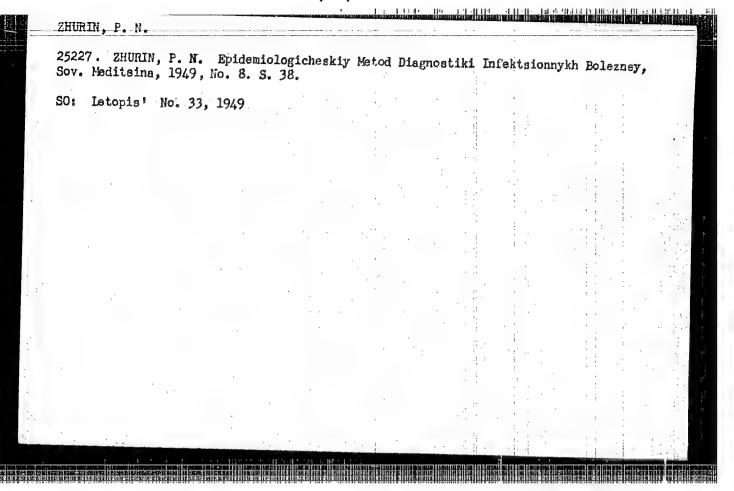
Intracellular inclusions in spring catarrh. Vest.oft. 69 no.2:9-11
Mr-Ap '56.

1. Is Chuvashskogo nauchno-issledovatel'skogo trakhomatownogo instituta (dir.--dotsent P.A.Shishkin; nauchnyy rukovoditel'--dotsent Te.Yu.

Komenetskaya)

(GONJUNCTIVITIES

vernal, intracollular inclusions)



USSR / Virology. Viruses of Man and Animals. Chlamydozoa.

E-2

Abs Jour

: Ref Zhur - Biologiya, No 22, 1958, No. 99185

Author

: Zhurin, P. N.

Inst

: State Scientific Research Institute for Eye Diseases

Title

: Diagnostic Meaning of Preparation - Imprints From

Mucosa of the Eyelids

Orig Pub

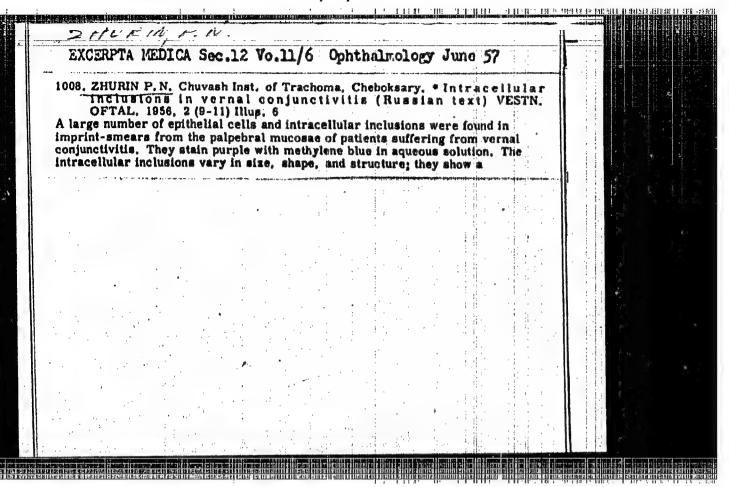
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in-t clazm. bolyeznyey, 1957, No 5, 75-77

Abstract : No abstract given

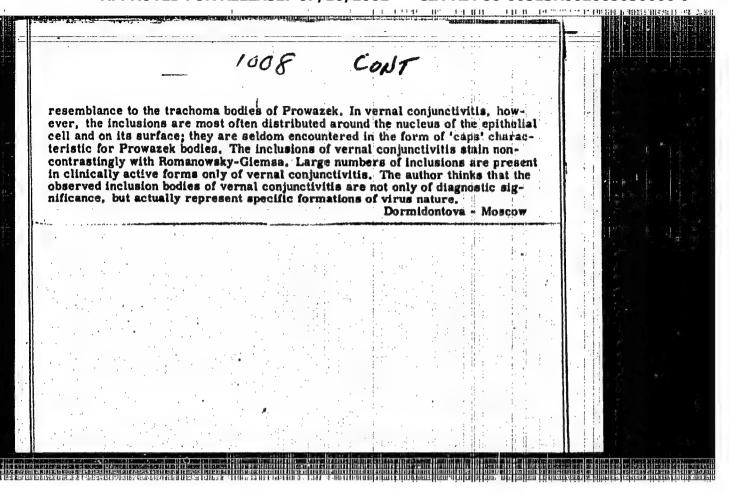
Card 1/1

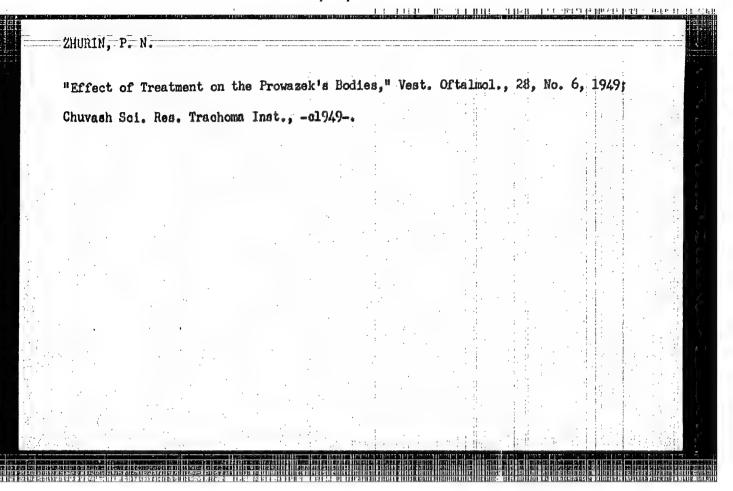
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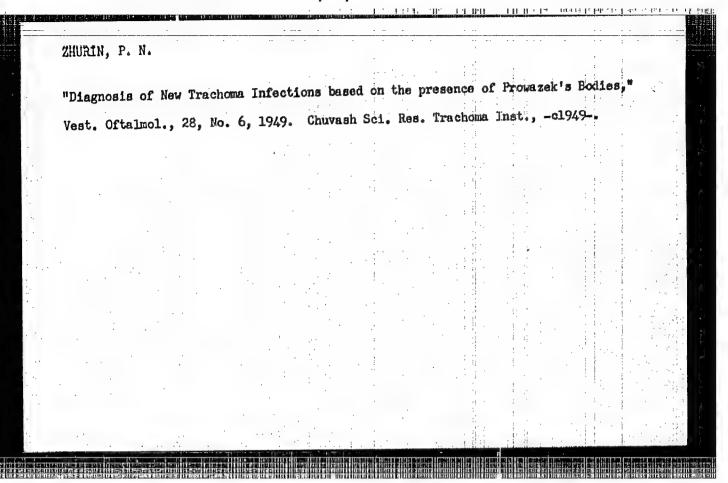


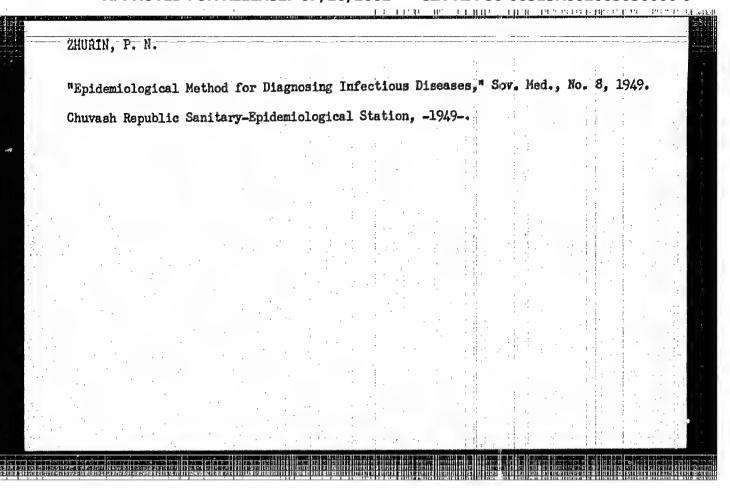
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USSR/Virology. Chlamydozoa.

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Abs Jour: Ref Zhur-Biol., No 17, 1958, 76538.

Author : Zhurin, P. N.

Inst Title

: Morphology and Dynamics of Changes of Prowazek's

Intra-Cellular Bodies in the Course of an Infectious

Process with Trachona.

Orig Pub: Sb. nauchn. tr. Chuvashk. n.-i. trachoratozn. in-t,

1957, vyp. 2, 166-176.

Abstract: Serial scrapings of the conjunctiva epithelium

of 72 patients with trachorn were studied. It

is proposed to divide the Prowazek's bodies

found in different stages of the disease according to form into compact, friable (three degrees)

and diffuses and according to size into small,

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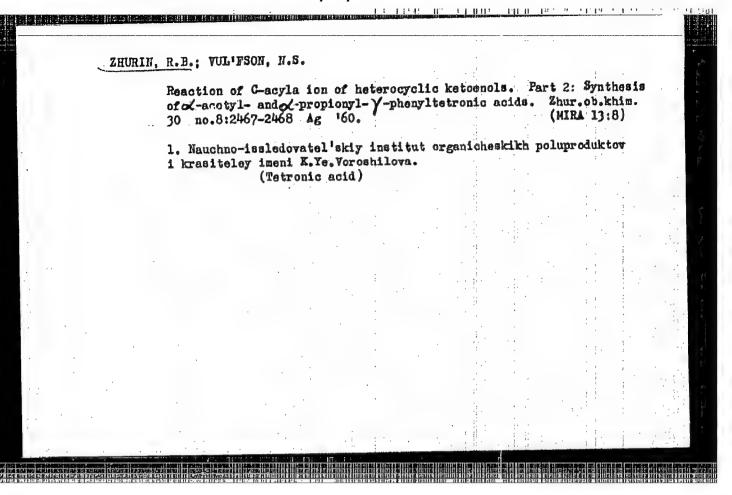
USSR/Virology. Chlamydozoa.

Abs Jour: Ref Zhur-Biol., No 17, 1958, 76538.

trachorn, it is proposed to take into account the norphological peculiarities of the Prowazek bodies.

Card : 3/3

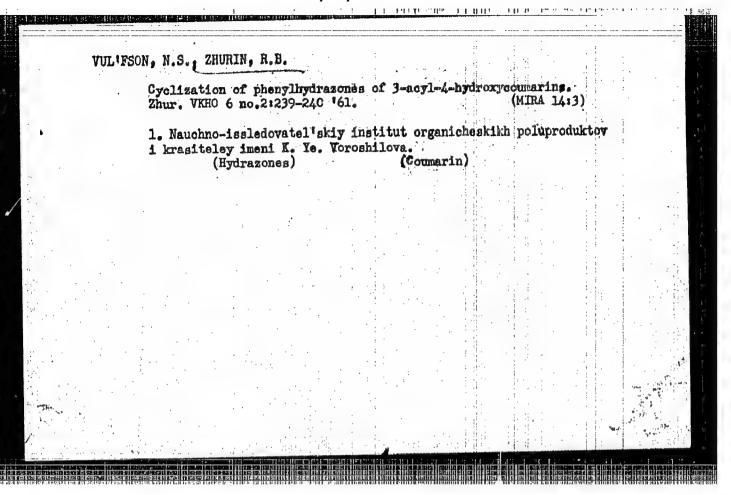
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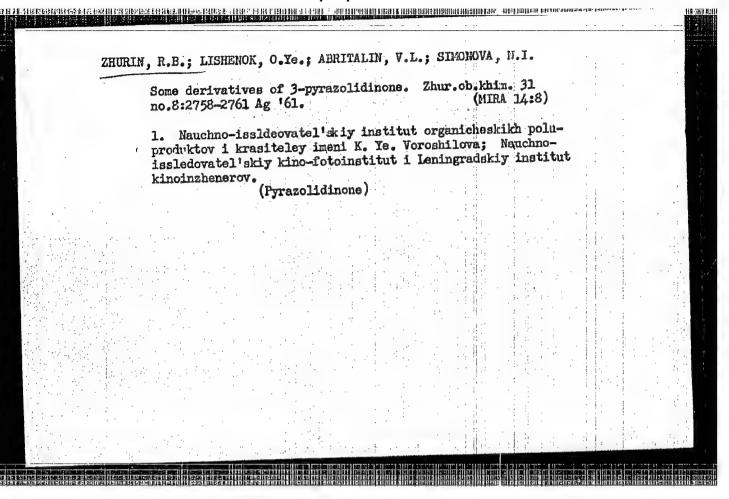


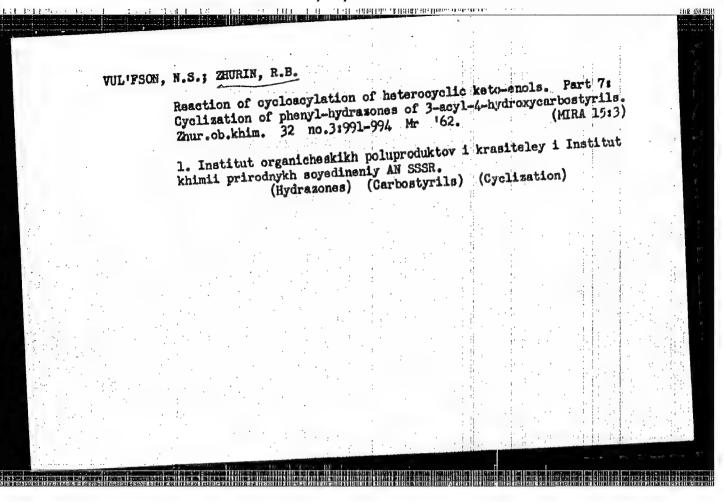
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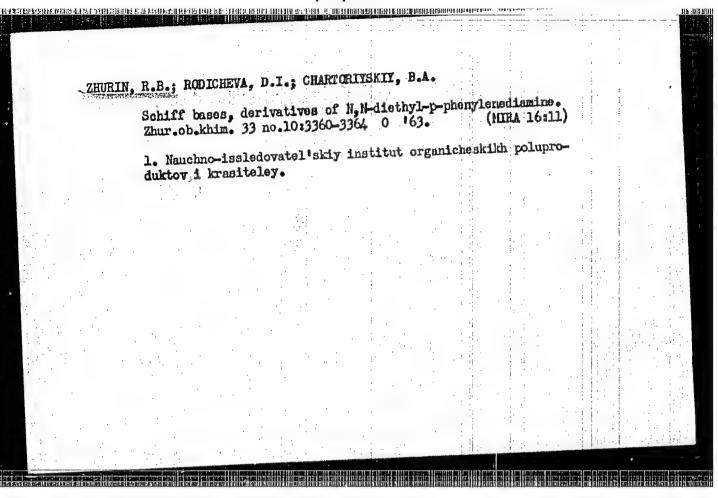
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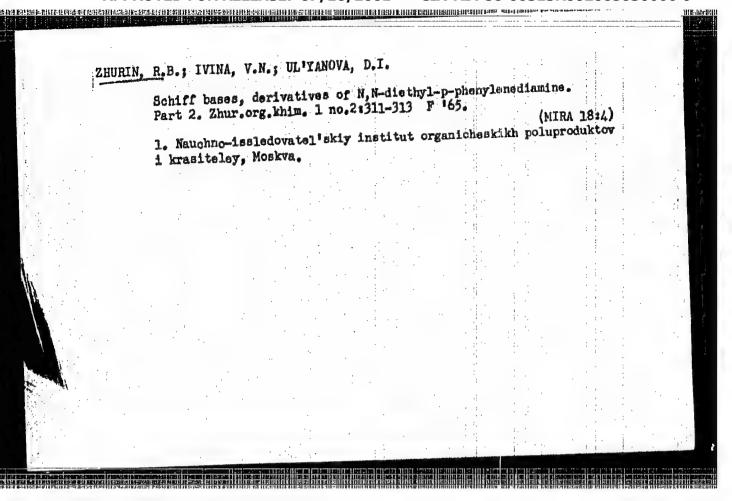
C-acylation of heterocyclic keto anols. Part 6: Cyclization of phenylhydrazones of 3-acyl-4-hydroxycoumarins. Zhur.ob.khim. 31 no.10:3381-3385 0 '61. (MIRA 14:10) 1. Institut organicheskikh poluproduktov i krasiteley imeni K.Ye.Voroshilova. (Couparin) (Hydrazones)	VUL'FS	ON, N.S.; ZHURIN, R.B.				1
K.Ye.Voroshilova.		C-acylation of heterocy of phenylhydrazones of 31 no.10:3381-3385 0	yclic keto A nols. 3-acyl-4-hydroxyco '61.	Part 6: Cy oumarins. 2	rclization hur.ob.khi (MIRA)	im. 14:10)
		K.Ye.Voroshilova.		i krasitele	y imeni	











ABRITALIN, V.L.; ZHURIN, R.E.; SIMONOVA, N.I.; SHEBERSTOV, V.I.;

SHUL'GINA, O.V..

Investigating the developing properties of 1-phenyl pyrazolidone-3 and other pyrazolidone-3 derivatives. Zhur. nauch. i pr:kl. fot. i. kln. 10 no.5:321-329 S-0 '65.

1. Vsesoyuznyy nauchno-isəledovatel'skiy kinofotoinstitut (NIKFI), Nauchno-isəledovatel'skiy institut organicheskikh poluproduktov i krasiteley (NIOPIK) i Leningradskiy institut kinoinzhenerov (LIKI).

Symplecis of 3-acyl-4-hydroxy-curicetyrile. Zhur. Val.0 5 no. 3:352-353 '60. (FIG. 14:2)
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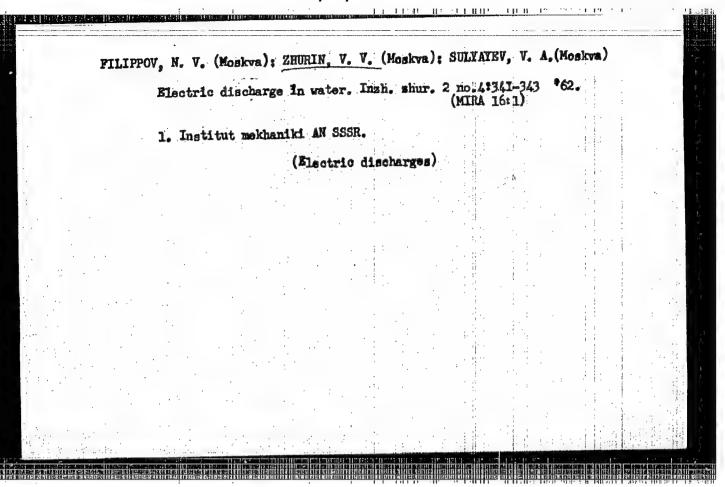
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no.9:59 S '59.

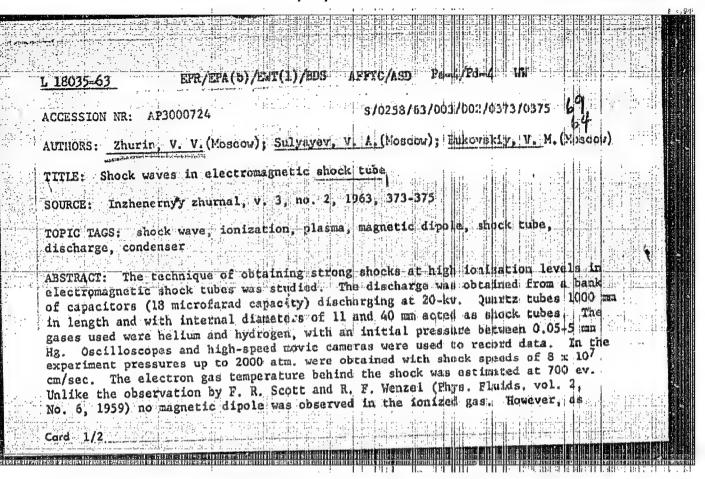
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sekretar' soveta Nauchno-tekhnicheskogo obshchestva 2-go
Gosudarstvennogo podshipnikovogo zavoda (for Zhurin).

(Ural Mountain region--Pipe)

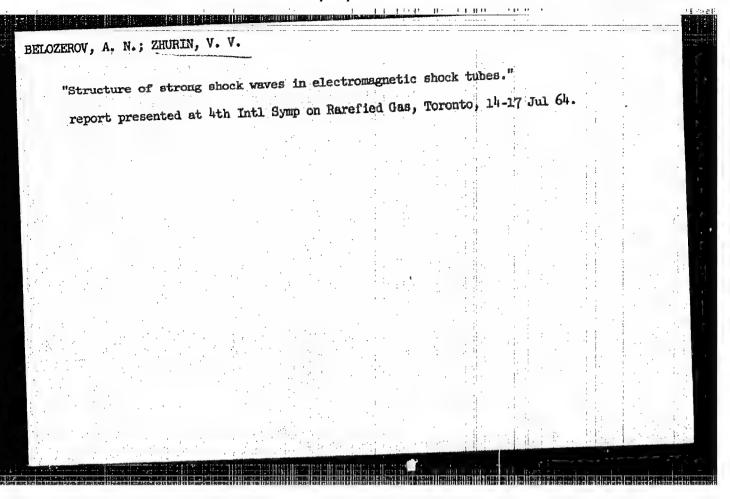
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1	previous investigators have observed, electron diffusion could be detected ahead of the shock wave. "The author is grateful to A. A. Nikol skiy for his interest in this investigation and to N. V. Filippov, S. R. Kholev, and A. I. Lishkov for
The second second	nis valuable discussions on the experimental results." Origi art. mas:
T.	ASSOCIATION: Institut mekhanik AN SSSR (Institute of Mechakilen, AN SSSR)
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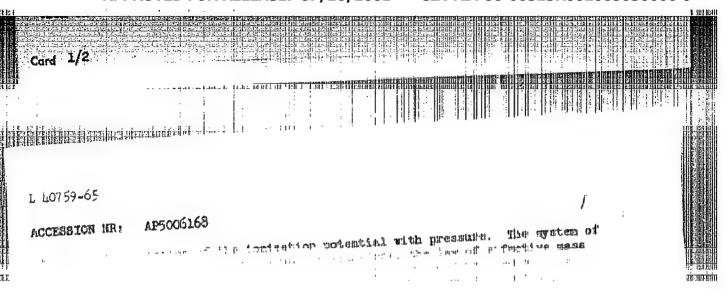
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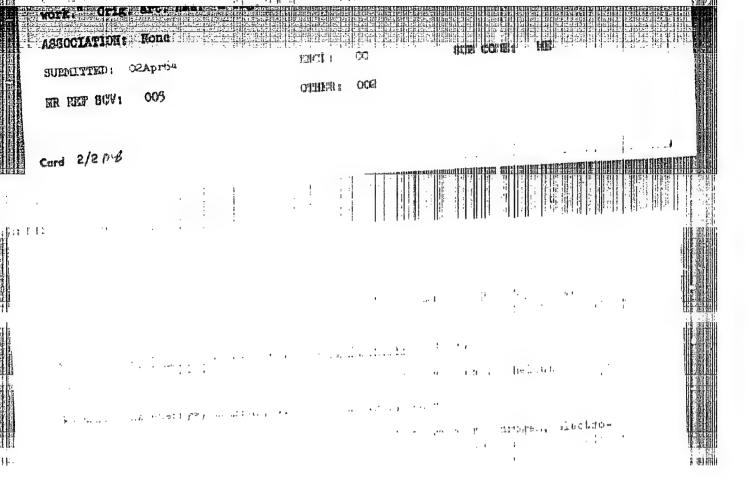
AUTHOR: Zhurin, V. V. (Moscom); konths. i. K. (Noscom)

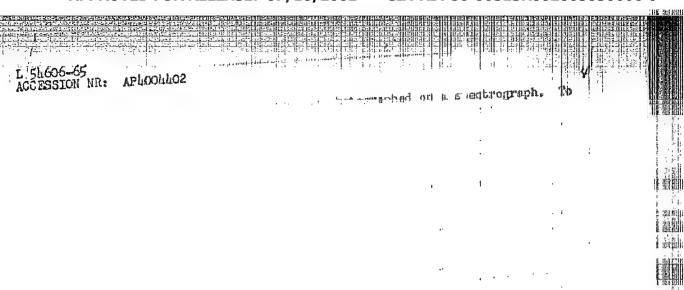
wave to helium

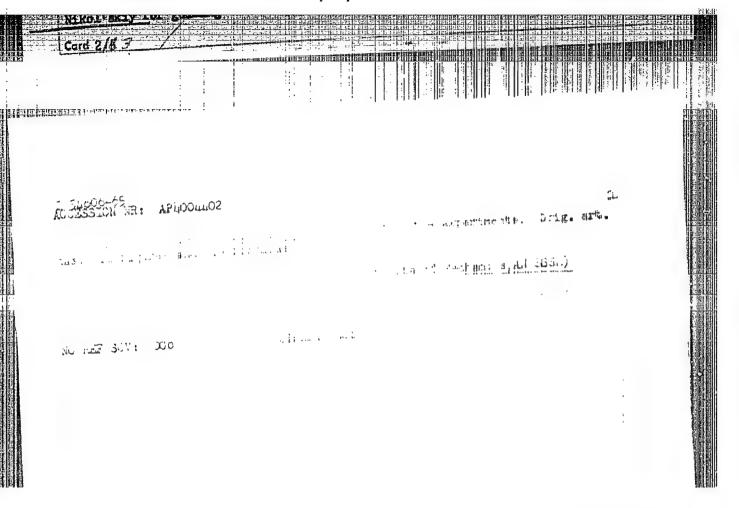
SOURCE: Inzhenernyy shurnai, v. 5, no. 1, 1965, 166-169

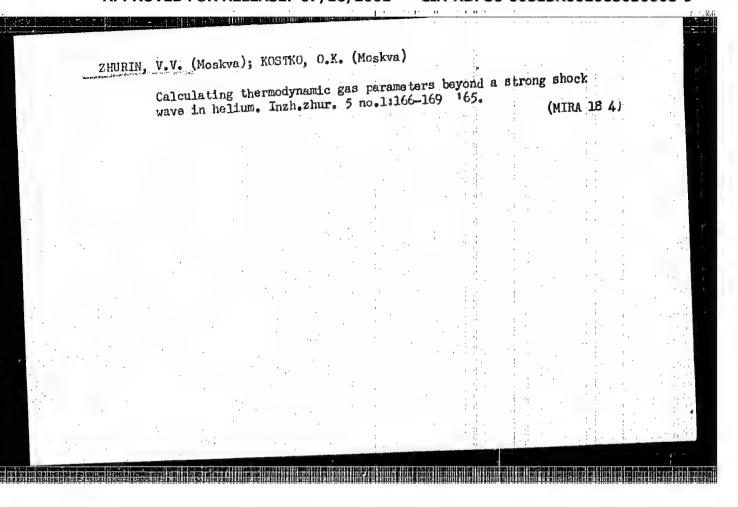
Apervacer. The authors is called by emperature behind the front of a strong apervacer.











VUL'FSON, N.S.; ZHURINA, F.G.; SENYAVINA, L.B.

Reformatorskii reaction with bromomalonic ester. Fart 3: Further study of the reaction of bromomalonic ester with benzaldehyde. Zhur. ob. khim. 34 no.7:2344-3347 31 64 (MERA 17:8)

l. Institut khimii prirodnykh soyedineniy AN SSSR i Nauchmoissledovatel skiy institut organicheskikh poluproduktov i krasiteley.

S/064/60/000/005/010/021/XX B024/B070

AUTHORS:

Rozental', L. V., Burdygina, G. I., Korneva, E. D.,

Zhurina, F. G.

TITLE:

Plasticization of Triacetate Cellulose Films by Means of

Ester Mixtures of Higher Synthetic Fatty Acids

PERIODICAL:

Khimicheskaya promyshlennosti, 1960, No. 5, pp. 15 - 18

TEXT: This paper deals with a study of the plasticizing effect of esters of higher synthetic fatty acids (C6 - C16). It follows from the experiments that low temperatures favor the combination of the plasticizer with triacetate cellulose even when all traces of diluents and solvents are removed from the film. At higher temperatures and higher relative atmospheric humidity, this combination is checked. The number of double bendings endured by the film increases with the increase in the number of carbon atoms in the alcohol radical of fatty acid ester; under the same conditions the plasticizing effect also increases at lower temperatures. For the same number of carbon atoms in the acid

Card 1/2

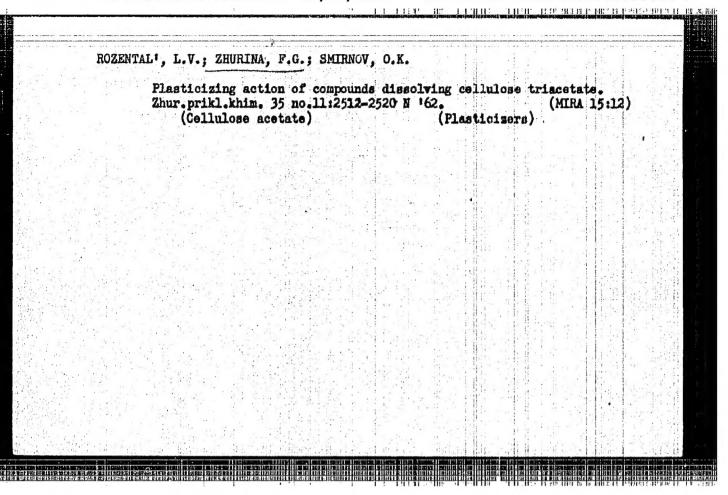
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Plasticization of Triacetate Cellulose S/064/60/000/005/010/021/XX Films by Means of Ester Mixtures of B024/B070
Higher Synthetic Fatty Acids

radical of the esters of higher synthetic fatty acids, their plasticizing effect increases with the increase in the molecular weight of the alcohol radical. There are 5 tables and 4 references: 3 Soviet and 1 German.

ASSOCIATION: NIKFI (Motion Picture and Photography Scientific Research Institute). NIOPIK im. K. Ye. Voroshilova (Scientific Research Institute of Organic Semifinished Materials and Dyes imeni K. Ye. Voroshilov)

Card 2/2



Plasticization of cellulo esters of higher syntheti J1-Ag 160.	se triacetate films c fatty acids. Khin	by mixtures of n-prom. no.5:367-370 (MIRA 13:9)	
l. Nauchno-issledovatel's vatel'skiy institut organ im. K. Ye. Voroshilova. (Cellulose acetate)	icheskikh poluprovo	ut i Mauchno-issledo- odnikov i krasiteley. (Acids, Fatty)	